

**TO: Suborbital Science Program**  
**NASA Headquarters**  
**Mail Suite 3F71**  
**Attn: Andrew Roberts**  
***andrew.c.roberts@nasa.gov***

**FAX: (202) 358-2770**  
**Voice: (202) 358-7212**

## **Flight Report**

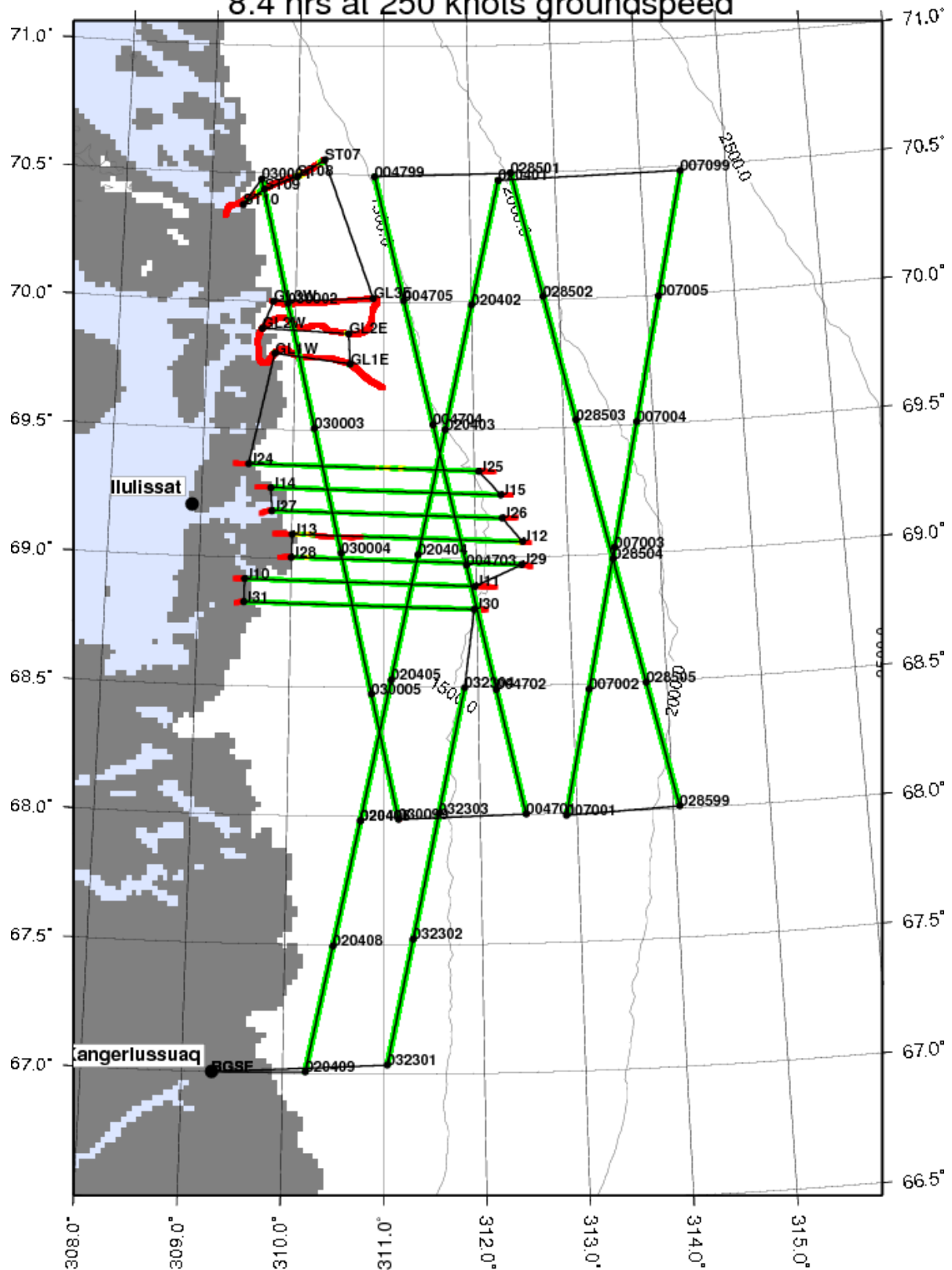
<b>Aircraft :</b>	NASA P-3B
<b>Operating Site(s) From / To :</b>	BGSF / BGSF
<b>Flight Date :</b>	April 28, 2009
<b>Flight Number / Data Flight # :</b>	738 / 17
<b>Time out:</b>	<b>1040 (Z)</b>
<b>Time in:</b>	<b>1806 (Z)</b>
<b>Flight Time :</b>	7.4
<b>Flt Request # / PI:</b>	FR#9P007/013/014
<b>Purpose of Flight :</b>	<b>Data [X] Ferry [ ] Functional Check [ ] Other [ ]</b>
<b>Sensor Payload :</b>	Arctic Ice Gap (Operation Ice Bridge) for Sea Ice ICESat orbit tracks. ATM (2), Snow radar, PARIS, LVIS
<b>Comments :</b>	<p>The P-3 flew an 8 hour low level research mission over Jacobshaven and ICESat tracks in western Greenland. The weather was marginal to the east over the Jacobshaven E/W gridlines, but improved throughout the day, permitting overflight of the ICESat lines later in the mission. There were occasional short sections of icefog that caused loss of ATM data, but the majority of all data lines were completely covered.</p> <p>Weather is not looking favorable for the remaining missions, but this will be determined at tomorrow's weather brief.</p> <p>The aircraft and all instruments are in an Up status.</p>

**SUBMITTED BY: Cate Fairchild**

**28 April 2009**

# Sondy 04

8.4 hrs at 250 knots groundspeed



<b>Flight</b>	<b>Date</b>	<b>Aircraft Flight #</b>	<b>Data Flight#</b>	<b>Hours flown</b>	<b>Total Hours Remaining</b>
<i>Total Allocated</i>					<i>184.0</i>
ECF	3/25/2009	713		0.8	183.2
PCF	3/27/2009	716		3.7	179.5
Transit to Thule	3/30/2009	693		7.6	171.9
Science flight	3/31/2009	718	1	8.1	163.8
Science flight	4/1/2009	719	2	7.7	156.1
Science flight	4/2/2009	720	3	8.2	147.9
Science flight	4/5/2009	721	4	8.7	139.2
Science flight	4/6/2009	722	5	7.7	131.5
Ferry to Maine	4/7/2009	723		6.4 (n/c)	131.5
Prop repair FCF 1	4/10/2009	725		0.4 (n/c)	131.5
Prop repair FCF 2	4/11/2009	726		0.4 (n/c)	131.5
Ferry: Maine to Thule	4/13/2009	724		6.2 (n/c)	131.5
Science flight	4/14/2009	727	6	8.0	123.5
Science flight	4/15/2009	728	7	8.0	115.5
Science flight	4/16/2009	729	8	7.5	108.0
Science flight	4/17/2009	730	9	7.7	100.3
Science flight	4/20/2009	731	10	9.3	91.0
Science flight	4/21/2009	732	11	7.7	83.3
Science flight	4/22/2009	733	12	8.0	75.3
Science flight	4/23/2009	734	13	7.9	67.4
Science flight	4/24/2009	735	14	7.8	59.6
Science flight	4/25/2009	736	15	6.7	52.9
Science flight	4/27/2009	737	16	7.5	45.4
Science flight	4/28/2009	738	17	7.4	38.0
<i>Return Transit*</i>	<i>TBD</i>			<i>8.0</i>	<i>30.0</i>
<i>Post-mission calibration*</i>	<i>TBD</i>			<i>2.0</i>	<i>28.0</i>